

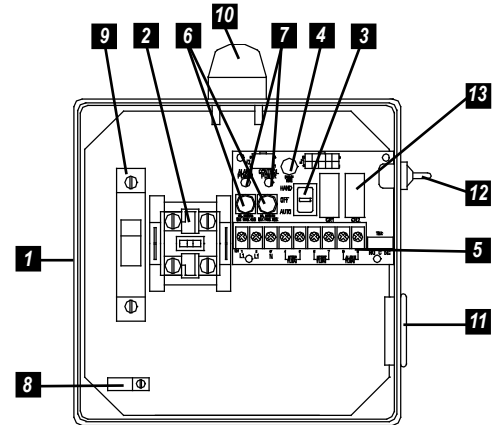
MODEL 112 Control Panel

Single phase, simplex motor contactor control.

The Model 112 control panel provides a reliable means of controlling one 120, 208, or 240 VAC single phase pump in pump chambers, sump pump basins, irrigation systems and lift stations. Two control switches activate a magnetic motor contactor to turn the pump on and off. If an alarm condition occurs, an additional alarm switch activates the audio/visual alarm system.

PANEL COMPONENTS

- Enclosure** measures 8 x 8 x 4 inches (20.32 X 20.32 X 10.16 cm). Choice of NEMA 1 (steel for indoor use), or NEMA 4X (ultraviolet stabilized thermoplastic with removable mounting feet for outdoor or indoor use).
* Options selected may increase enclosure size and change component layout.
- Magnetic Motor Contactor** controls pump by switching electrical lines.
- HOA Switch** for manual pump control (mounted on circuit board).
- Green Pump Run Indicator Light** (mounted on circuit board).
- Float Switch Terminal Block** (mounted on circuit board).
- Alarm and Control Fuses** (mounted on circuit board).
- Alarm and Control Power Indicators** (mounted on circuit board).
- Ground Lug**
- Circuit Breaker** (optional) provides pump disconnect and branch circuit protection.



Model Shown 1121W914X

STANDARD ALARM PACKAGE

- Red Alarm Beacon** provides 360° visual check of alarm condition.
Note: NEMA 1 style utilizes a door mounted indicator in lieu of a beacon.
- Alarm Horn** provides audio warning of alarm condition (83 to 85 decibel rating).
Note: NEMA 1 style utilizes an internally mounted buzzer in lieu of horn.
- Exterior Alarm Test/Normal/Silence Switch** allows horn and light to be tested and horn to be silenced in an alarm condition. Alarm automatically resets once alarm condition has been cleared.
- Horn Silence Relay** (mounted on circuit board).

NOTE: other options available.

FEATURES

- Entire control system (panel and switches) is UL Listed to meet and/or exceed industry safety standards
- Dual safety certification for the United States and Canada
- Standard package includes three 20' SJE SignalMaster® control switches
- Complete with step-by-step installation instructions
- Five-year limited warranty

OPTIONAL FEATURE

- 34" (86.36cm) Panel Mounting Post** (Factory Installed). Includes Simplex Installation Kit (Enclosure upsized to 10" x 8" x 6" (25.4 x 20.32 x 15.24 cm). Max. Enclosure size 14" x 12" x 6" (35.56 x 30.48 x 15.24 cm)

SEE BACKSIDE FOR COMPLETE LISTING OF AVAILABLE OPTIONS.
SEE PRICE BOOK FOR LIST PRICE.



SJE
Rhombus

PO Box 1708, Detroit Lakes, MN 56502

1-888-DIAL-SJE • 1-218-847-1317

1-218-847-4617 Fax

email: customer.service@sjerhombus.com

www.sjerhombus.com B.39

112

MODEL 112

ALARM PACKAGE

- 0 = select options or no alarm package
- 1 = alarm package (includes test/normal/silence switch, fuse, red light, horn & float)

ENCLOSURE RATING

- I = Indoor, NEMA 1 (metal)
- W = Weatherproof, NEMA 4X (engineered thermoplastic)

STARTING DEVICE

- 1 = magnetic motor contactor 120/208/240V
- 9 = magnetic motor contactor 120V only

PUMP FULL LOAD AMPS

- 0 = 0-7 FLA
- 1 = 7-15 FLA
- 2 = 15-20 FLA
- 3 = 20-30 FLA (Enclosure Upsize required)

PUMP DISCONNECTS

- 0 = no pump disconnect
- 4 = circuit breaker 120V (select STARTING DEVICE option 9 above)
120/208/240V (select STARTING DEVICE option 1 above)

FLOAT SWITCH APPLICATION

- H or L = pump down or pump up (select 17 option)
 - X = no floats
- WITH alarm package
WITHOUT alarm package

OPTIONS *Listed below*



ENCLOSURE UPSIZE - If you selected 3 or more of the ★ options, or one ★★ option

- | CODE | DESCRIPTION |
|--------------------------------|------------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> 1A | Red beacon only / no audio
<i>(must select 1E if floats included)</i> |
| <input type="checkbox"/> 1C | Horn only / no visual
<i>(must select 1E if floats included)</i> |
| <input type="checkbox"/> 1E | Alarm float |
| <input type="checkbox"/> 3A | Alarm flasher |
| <input type="checkbox"/> ★ 3B | Manual alarm reset |
| <input type="checkbox"/> ★★4A | Redundant off
<i>(select option 4D if floats included)</i> |
| <input type="checkbox"/> ★★4B | Red redundant off indicator & alarm
<i>(must select 4A also)</i> |
| <input type="checkbox"/> 4D | Redundant off float
<i>(select 4A option) (select 17 option)</i> |
| <input type="checkbox"/> ★ 5A | Thermal cutout/heat sensor auto reset (for pumps w/thermal switch leads) |
| <input type="checkbox"/> ★★5E | Seal failure circuit & red indicator (2 wire) |
| <input type="checkbox"/> 6A | Auxiliary alarm contact, form C |
| <input type="checkbox"/> ★ 8A | Elapsed time meter |
| <input type="checkbox"/> ★ 8C | Event (cycle) counter |
| <input type="checkbox"/> ★★9_A | Pump overload
specify amperage after number 9 followed by letter "A".
Example: 912A = 12 amp pump. |
| ★★ <input type="checkbox"/> | 0-25 FLA |
| ★★ <input type="checkbox"/> | 25-30 FLA |
| <input type="checkbox"/> 10E | Lockable latch - NEMA 4X |
| <input type="checkbox"/> 10E | Lockable latch - NEMA 1 |
| <input type="checkbox"/> ★ 10F | Lightning arrester <i>(select pump circuit breaker)</i> |
| <input type="checkbox"/> ★ 10K | Anti-condensation heater |
| <input type="checkbox"/> ★★10P | Panel Mounting Post (Factory Installed. Includes Simplex Install. Kit)
(Encl. upsized to 10x8x6. Max 14x12x6) |

- | CODE | DESCRIPTION |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> 11C | NEMA 1 alarm panel <i>(must select option 6A)</i> |
| <input type="checkbox"/> 11D | NEMA 4X alarm panel <i>(must select option 6A)</i> |
| <input type="checkbox"/> ★★14B | Main disconnect <i>(rotary style, mounted through door, non-fused, padlockable in the OFF-position, door interlock in the ON-position)</i>
<i>(must select circuit breaker)</i> |
| ★★ <input type="checkbox"/> | 0-20 FLA |
| ★★ <input type="checkbox"/> | 20-30 FLA |
| <input type="checkbox"/> ★★15A | Control / alarm circuit breaker |
| <input type="checkbox"/> 16A | 10' cord in lieu of 20' <i>(per float)</i> |
| <input type="checkbox"/> 16B | 15' cord in lieu of 20' <i>(per float)</i> |
| <input type="checkbox"/> 16C | 30' cord in lieu of 20' <i>(per float)</i> |
| <input type="checkbox"/> 16D | 40' cord in lieu of 20' <i>(per float)</i> |
| <input type="checkbox"/> 17A | SJE SignalMaster® / mounting strap ● <i>(per float)</i> |
| <input type="checkbox"/> 17B | SJE SignalMaster® / externally weighted ● <i>(per float)</i> |
| <input type="checkbox"/> 17C | Sensor Float® / internally weighted ▲ <i>(per float)</i> |
| <input type="checkbox"/> 17D | Sensor Float® / externally weighted ▲ <i>(per float)</i> |
| <input type="checkbox"/> 17E | Sensor Float® Mini / pipe clamp ▲ <i>(per float)</i> |
| <input type="checkbox"/> 17F | Sensor Float® Mini / externally weighted ▲ <i>(per float)</i> |
| <input type="checkbox"/> 17J | Sensor Float® / pipe clamp ▲ <i>(per float)</i> |
| <input type="checkbox"/> 19T | TOA (Test/Off/Automatic) switch and pump run light through door mounted |
| <input type="checkbox"/> 19U | HOA (Hand/Off/Automatic) switch and pump run light through door mounted |
| <input type="checkbox"/> 19X | Door mounted pump run indicator |
| <input type="checkbox"/> 21A | SJE PumpMaster® in lieu of on/off switches ● |
| <input type="checkbox"/> 21B | SJE PumpMaster® Plus in lieu of on/off switches ● |
| <input type="checkbox"/> 21C | Super Single® in lieu of on/off switches ▲ |
| <input type="checkbox"/> 21D | Double Float® in lieu of on/off switches ▲ |
- Mechanically-activated ▲ Mercury-activated

If additional features are required, call the factory for a quote on an Engineered Custom control panel.

SAMPLE

MODEL

Alarm Package _____

Enclosure Rating _____

Starting Device _____

Pump Full Load Amps _____

Pump Disconnect _____

Float Switch Application _____

Options: Flasher, Elapsed Time Meter, _____

SJE SignalMaster® / pipe clamp _____